



***Embassy of the United States of America – Zagreb
Thomasa Jeffersona 2
Zagreb, Croatia***

April 15, 2011

Dear Prospective Quoter:

SUBJECT: Solicitation for CMR Bathroom Renovation

The Embassy of the United States of America invites you to submit a quotation for Bathroom Renovation in Chief of Mission's residence (Tuskanac 80).

The Embassy intends to conduct a Site Visit to discuss the requirements of this solicitation on **April 22, 2011**. Vendors interested in attending should contact Ms. Sandra Kovacevic on **01/661-2156** or via e-mail KovacevicS@state.gov by **April 20, 2011 (noon)** to submit their names and contact numbers for site visit.

Submit your quotation via e-mail to the above mentioned e-mail address **by 12:00 (noon) on or before May 09, 2011**. No quotations will be accepted after this time.

Direct any questions regarding this solicitation to Ms. Sandra Kovacevic by e-mail or by telephone 01/661-2156 during regular business hours.

American Embassy Zagreb, Croatia
STATEMENT OF WORK
CMR Bathroom Renovation

The American Embassy in Zagreb is planning to perform renovations of a bathroom in the Chief of Mission Residence at Tuskanac 80, Zagreb.

1. General information

1.1 The renovations will include the following work:

- a) Removal of ceramic tiles, plumbing fixtures and light fixtures,
- b) Replacing all water supply and drain piping in the bathrooms,
- c) Installation of new screed,
- d) Construction of the new suspended ceiling (drywall),
- e) Installation of new tiles on the floor and walls,
- f) Installation of the new light fixtures,
- g) Installation of electric floor heating
- h) Installation of the new bathroom fixtures, accessories and furniture.

1.2 Price of the contract

The bidders will offer a fixed price for all work and materials described below. The measurements provided in this scope of work are approximate. The potential bidders are required to make their own measurements during the site visit. The Embassy will allow the contractor to make detailed measurements after the contract has been awarded and before the start of the work. Any price change based on the quantities differing from this statement of work will not be accepted. All the materials and the equipment will be purchased by the contractor except where specified differently in this statement.

1.3 Modifications to the contract

In the case that the contractor finds that any additional work is necessary in order to successfully complete the project, and that work is not covered in this Statement of Work, the contractor will submit a request for change to the Contracting Officer. The request for change will include the reason for change, price, and the duration of the additional work. The contractor will not proceed with any additional work until the change is authorized by the Contracting Officer.

1.4 Drawings

- a) Hard copy drawings will be supplied to the prospect bidders at the site visit.
- b) Drawings in the electronic format (dwg) will be supplied to the contractor after the contract has been awarded.

1.5 Materials

- a) The contractor will submit certificates that prove that all materials used in the project comply with the definitions in this statement of work.
- b) The contractor will purchase 10% extra of each kind of tile used for the project and submit it to the Embassy representative after the completion of the project. This will serve for possible repairs in the future.

1.6 Debris and waste disposal

The contractor will keep the work site clean and remove all trash and debris from the site on the daily basis.

1.7 Access to the work site

The contractor will construct scaffolding on the outside of the bathroom and remove the window sashes so they can access the bathroom from there. The door to the living area will be sealed with plastic sheeting to minimize the leak of the dust from the work site. The sashes will be returned to the window after work is completed for the day or some other system used to insure the window is secure for the night.

1.8 Damage control

The contractor will take all necessary precautions not to damage anything outside their perimeter of work. Any damages will be restored to the original condition at the contractor's expense.

2. Main Bathroom

2.1 Demolition

- a) The contractor will remove and dispose of all light fixtures, plumbing fixtures and accessories.
- b) The contractor will remove and dispose of all ceramic tiles from walls and the floor.
- c) The contractor will remove the plaster from the walls as well as the screed from the bathroom floor.
- d) The contractor will remove all unused heating pipes from the walls and floor.

2.2 Plumbing

- a) The contractor will run new insulated copper pipes for the cold and hot water from the stubs above the ceiling in the basement level according to the Plumbing drawing. Ball valves will be installed between the stubs and the new pipes for hot and cold water.
- b) The contractor will run the new PVC drainage pipes according to the Drawing 1 and the Materials and Equipment Specifications and connect them to the vertical drain in the basement level.
- c) P-traps will be installed under the sinks, bathtub and the shower tray.
- d) Floor drain will be installed below the cabinet with the sink.

2.3 Drywall, masonry and painting

- a) The contractor will install the suspended ceiling made of 12.5mm drywall on the metal sub construction. The finish height will be 15cm under the existing ceiling.
- b) The contractor will reinstall the window and repair the damages on the exterior and interior walls resulting from the removal.
- c) The contractor will lay the bricks to fill the opening under the window where the radiator was to make the wall flush.
- d) The contractor will install the frame for the built in toilet tank and wall hung toilet using wet masonry method.
- e) The contractor will make a penetration through the exterior wall and install an exhaust fan as specified in the Materials and Equipment Specifications.
- f) The contractor will repair the plaster on all walls and prepare them for application of tiles and/or painting.
- g) The contractor will paint the portions of the walls not covered with tiles as well as the ceiling with high quality wall paint as defined in the Material and Equipment schedule.
- h) The contractor will supply and install granite window sill and granite tops on the ledge above the toilet tank and on the top of the Embassy supplied cabinet where the washbasin will be built in. The top for the built-in washbasin will be cut to match the washbasin.

2.4 Floor preparation

- a) The floor will be insulated with a 50mm layer of 25kg/m³ extruded polystyrene,
- b) 0.2mm PE foil will be laid over the polystyrene insulation.
- c) Preblended cement based screed will be installed on top of the PE foil. The thickness will be calculated so that the finished floor is level with the floor in the adjacent hallway.

- d) The floor will have a 1% slope from all sides towards the floor drain.

2.5 Heating

- a) The contractor will remove the existing radiator from the opening in the wall under the window and install the caps on the end of the pipes.
- b) The contractor will install a new radiator (towel heater) on the north wall according to the supplied drawing and Materials and Equipment Specification. The radiator will be fitted with a thermostatic valve and a bleed valve.
- c) The contractor will run the new insulated 15mm copper pipes to supply the new radiators from the main central heating lines above the ceiling on the basement level (approximately 15m of pipe will be needed). Dielectric unions must be installed on the iron/copper joints. The pipes for the radiators will be under surface, protruding through the wall exactly at the connection points.
- d) The contractor will install electrical heating mats Danfoss EFTM-150 in the bathroom floor. The heating will be regulated by Danfoss thermostat type 550.

2.6 Electrical

- a) All electrical works must be performed in accordance with local electrical code.
- b) The contractor will install a 16 AMP circuit breaker in the ground floor power panel and run a 3x2.5mm cable for the floor heating supply. The cable will run above the suspended ceiling in the interior hallway to a new junction box outside the bathroom.
- c) The contractor will run new 3x1.5mm cable from the existing junction box in the hallway outside the bathroom for the light and exhaust fan
- d) The contractor will remove the existing light fixtures and install new lighting according to the supplied drawing. The light fixtures will be metal frame recessed down lights featuring electronic control gear and 2x26W compact fluorescent light bulb each. The lighting will be controlled with a dual switch, each half controlling one light bulb per fixture. The lighting as well as the fan will be fed through the existing circuit, but the new wires will be pulled inside the bathroom.
- e) The contractor will install a triple Vimar brand switch outside the bathroom door. The switch will control two sets of lights and the fans. The switch will match the design of the other switches in the area.
- f) The contractor will pull new cable from the junction box in the hallway to supply the new medicine cabinet as well as the double outlet below.
- g) The contractor will clearly mark all modifications in the power panel.

2.7 Tile work

- a) The contractor will install high quality two component flexible cementitious membrane on the walls around the shower stall. Approved waterproofing products are Mapei Mapelastic Smart or Murexin Dichtfoile. Any other product will have to be approved by the Embassy COR.
- b) The contractor will purchase and install the tiles according to the Tile Specification supplied by “Andan Trade” and Tile Layout that will be delivered to the contractor by Embassy before the start of work.
- c) The tile adhesive must meet or exceed the specification C2TE described in the European Norm EN 12004 as well as S1 described in the norm EN 12002.

2.8 Finishing Work

- a) The contractor will purchase and install faucets, sink, toilet, shower stall according to the supplied drawings and specifications.
- b) Under sink cabinet and tall wall cabinet will be supplied by the Embassy.

3. Scheduling

3.1 Duration of works

The work described in this statement is scheduled to last for 20 working days. Working hours are from 08:00-18:00 Monday through Friday. The contractor will be given a minimum of two weeks’ notice before the start of the work.

4. Warranty

- 4.1 The contractor will issue a warranty for workmanship and materials valid for one year after the final acceptance.

5. Material and Equipment Specification

5.1 Tubing for hot and cold water and heating:

- 15x1mm and 18x1mm straight copper tubing (as scheduled in drawings)

5.2 Insulation for copper tubing – Armacell Tubolit S 13mm for in-wall installation

5.3 Insulation for copper tubing – Armacell Armaflex AC 13mm for above surface installation

5.4 Screed:

- Type: Cement based screed.
- Material: Preblended mortar meeting or exceeding the specification CT-C30-F6-A1fl described in the European Norm EN 13813.

- Reinforcement: Ø2x50x50mm galvanized steel mesh.
- Minimum thickness: 30mm unless otherwise recommended by the manufacturer.
- Slope: 1% (1cm/m) towards the floor drain as indicated on the supplied drawing.

5.5 Tiles - per Tile Specification and Layout.

5.6 Tile Adhesive:

- The tile adhesive must meet or exceed the specification C2TE described in the European Norm EN 12004 as well as S1 described in the norm EN 12002.

5.7 Grout - The tiles will be grouted using a grout material meeting the specification CG2 described in the EN 13888. Colors: Mapei 110 for the floor, and plain white for the walls.

5.8 Brick:

- Porotherm 50x19x12.5 cm or equivalent

5.9 Suspended Ceiling – 12.5mm drywall board installed per Knauf D112 technology.

5.10 Paint – Dulux QD Eggshell in plain white for walls; Dulux Vinyl Matt in plain white for the ceiling.

5.11 Stone tops: Imperial White Granite per drawings.

5.12 Water valves – Heimeier Globo D series valves.

5.13 Thermostat valves for the radiator - The Standard HEIMEIER thermostatic valve bodies with Thermostatic head DX.

5.14 Radiator – Gorenje HF 600x1354mm in Chrome color.

5.15 Exhaust Fan – Helios HelioVent HVR 150/4 E fitted with Helios IsoPipe system and VK 200 exterior cover.

5.16 Light Fixtures – 3 Massive “Laurel” 5 3 59708/17/10 fixtures with 2 CFL light bulbs 15W (E27) per fixture.

5.17 Bathroom fixtures and accessories:

- Built in washbasin Laufen 818541 (Moderna Plus collection)
- Mirror cabinet 1200mm, Laufen Moderna Plus 44512.1 (includes lighting and a socket)
- Laufen LB3 Combo crystal soap dispenser and glass, wallmounted, chrome surface 38468.5
- Laufen LB3 Glass shelf, chrome surface 38568.2
- Laufen Toilet brush holder with brush, freestanding, chrome surface 8368.2
- Laufen Toilet Paper Holder LB3 38368.1
- Shower Tray Laufen LB3 21268.3
- Shower Stall Hütte Manufaktur Kalea partially framed with fixed segment and side panel. Glass type is Karo Anti-Plaque
- Wallhung Toilet Laufen LB3 82068.0 with 89568.3 hydraulic WC seat and cover.
- Geberit Duofix universal frame with UP320 toilet tank
- Geberit Bolero Dual Flush Gloss Chrome plate
- Shower system Grohe Rainshower 27032 001
- Single lever basin mixer ½” Grohe Allure 32144 000